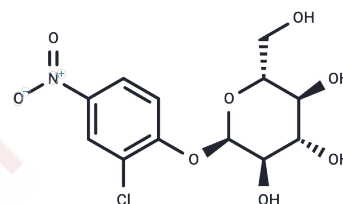


2-Chloro-4-nitrophenyl- $\alpha$ -D-glucopyranoside

## Chemical Properties

CAS No. :	119047-14-2
Formula:	C <sub>12</sub> H <sub>14</sub> ClNO <sub>8</sub>
Molecular Weight:	335.69
Storage:	Store at low temperature Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	2-Chloro-4-nitrophenyl- $\alpha$ -D-glucopyranoside (CNP- $\alpha$ -D-Glucopyraoside) is used for measuring $\alpha$ -glucosidase activity.
Targets(IC50)	Others

## Solubility Information

Solubility	PBS (pH 7.2): 1 mg/mL (2.98 mM),Sonication is recommended. DMF: 8 mg/mL (23.83 mM),Sonication is recommended. DMSO: 8 mg/mL (23.83 mM),Sonication is recommended. Ethanol: 8 mg/mL (23.83 mM),Sonication is recommended. ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9789 mL	14.8947 mL	29.7894 mL
5 mM	0.5958 mL	2.9789 mL	5.9579 mL
10 mM	0.2979 mL	1.4895 mL	2.9789 mL
50 mM	0.0596 mL	0.2979 mL	0.5958 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Gantt RW, et al. Broadening the scope of glycosyltransferase-catalyzed sugar nucleotide synthesis. Proc Natl Acad Sci U S A. 2013 May 7;110(19):7648-53.

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